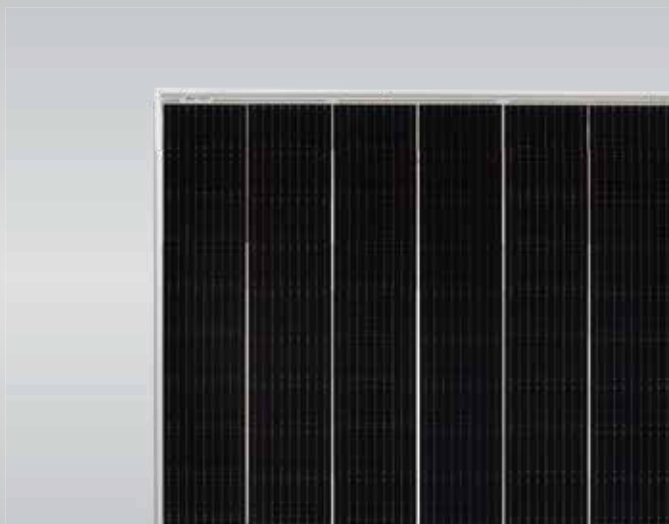


Tiger Bifacial DG 440-460 Watt

Tiling Ribbon (TR) Technology

Positive power tolerance of 0~+3%



KEY FEATURES



TR technology + Half Cell

TR technology with Half cell aims to eliminate the cell gap to increase module efficiency (bi-facial up to 20.28%)



9BB instead of 5BB

9BB technology decreases the distance between bus bars and finger grid line which is benefit to power increase.



Higher lifetime Power Yield

2.5% first year degradation,
0.5% linear degradation



Best Warranty

12 year product warranty,
30 year linear power warranty



Reduce Hot-spot issues

TR technology reduced the cell current in both bus bars and finger grid line to reduce hot-spot issues



Avoid debris, cracks and broken gate risk effectively

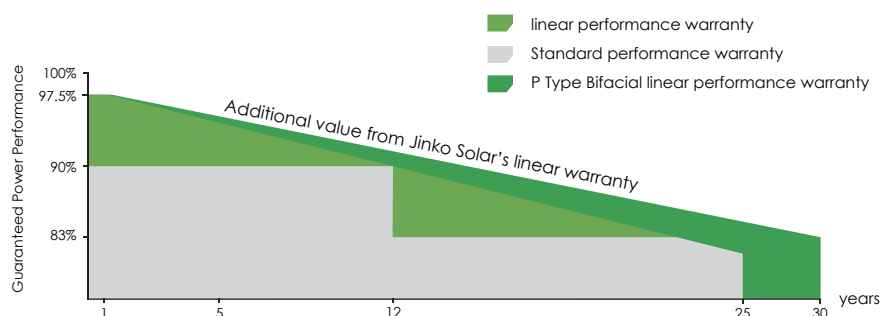
9BB technology using circular ribbon that could avoid debris, cracks and broken gate risk effectively



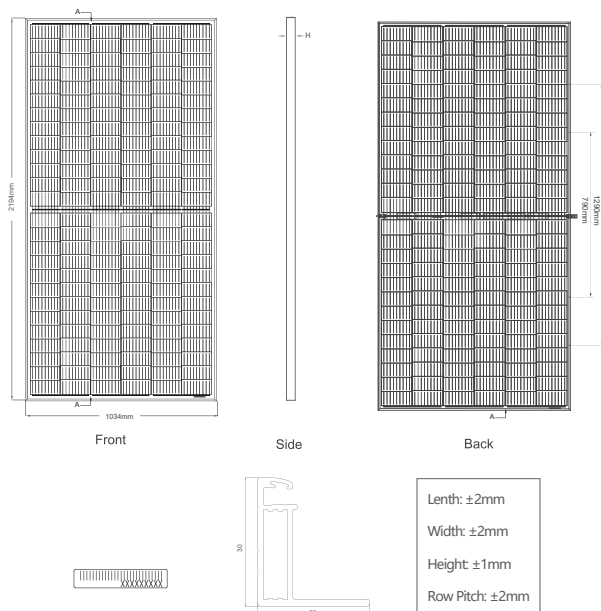
- ISO9001:2015, ISO14001:2015, OHSAS18001 certified factory
- IEC61215, IEC61730 certified product

LINEAR PERFORMANCE WARRANTY

12 Year Product Warranty • 30 Year Linear Power Warranty
0.5% Annual Degradation Over 30 years



Engineering Drawings

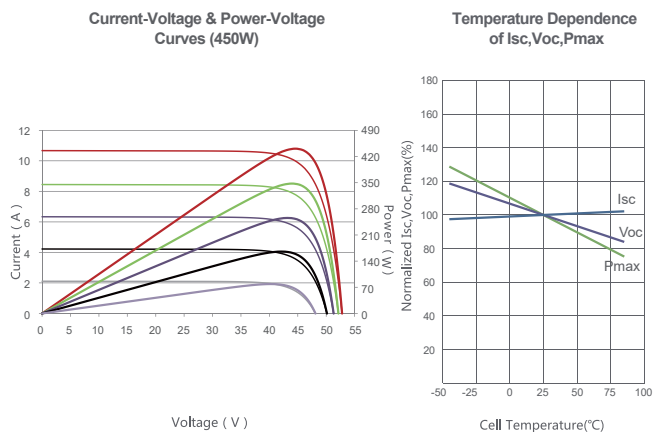


Packaging Configuration

(Two pallets = One stack)

27pcs/pallets, 54pcs/stack, 540pcs/ 40'HQ Container

Electrical Performance & Temperature Dependence



Mechanical Characteristics

Cell Type	P type Mono-crystalline
No. of cells	156 (2×78)
Dimensions	2194×1034×30mm (86.38×40.71×1.18 inch)
Weight	29.8 kg (65.69lbs)
Front Glass	2.0mm, Anti-Reflection Coating
Back Glass	2.0mm, heat strengthened glass
Frame	Anodized Aluminium Alloy
Junction Box	IP67 Rated
Output Cables	TUV 1×4.0mm ² (+): 250mm , (-): 150 mm or Customized Length

SPECIFICATIONS

Module Type	JKM440M-7RL3-BDVP		JKM445M-7RL3-BDVP		JKM450M-7RL3-BDVP		JKM455M-7RL3-BDVP		JKM460M-7RL3-BDVP	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	440Wp	327Wp	445Wp	331Wp	450Wp	335Wp	455Wp	339Wp	460Wp	342Wp
Maximum Power Voltage (Vmp)	43.66V	39.49V	43.73V	39.60V	43.82V	39.72V	43.90V	39.83V	44.02V	39.93V
Maximum Power Current (Imp)	10.08A	8.29A	10.18A	8.36A	10.27A	8.43A	10.37A	8.50A	10.45A	8.57A
Open-circuit Voltage (Voc)	51.70V	48.70V	51.80V	48.79V	51.90V	48.88V	52.00V	48.98V	52.10V	49.07V
Short-circuit Current (Isc)	10.94A	8.84A	11.03A	8.91A	11.12A	8.98A	11.21A	9.05A	11.30A	9.13A
Module Efficiency STC (%)	19.40%		19.62%		19.84%		20.06%		20.28%	
Operating Temperature(°C)					-40°C~-+85°C					
Maximum system voltage					1500VDC (IEC)					
Maximum series fuse rating					25A					
Power tolerance					0~+3%					
Temperature coefficients of Pmax					-0.35%/°C					
Temperature coefficients of Voc					-0.29%/°C					
Temperature coefficients of Isc					0.048%/°C					
Nominal operating cell temperature (NOCT)					45±2°C					
Refer. Bifacial Factor					70±5%					

BIFACIAL OUTPUT-REAR SIDE POWER GAIN

		462Wp	467Wp	473Wp	478Wp	483Wp
5%	Maximum Power (Pmax)	462Wp	467Wp	473Wp	478Wp	483Wp
	Module Efficiency STC (%)	20.37%	20.00%	20.83%	21.06%	21.29%
15%	Maximum Power (Pmax)	506Wp	512Wp	518Wp	523Wp	529Wp
	Module Efficiency STC (%)	22.30%	22.56%	22.81%	23.06%	23.32%
25%	Maximum Power (Pmax)	550Wp	556Wp	563Wp	569Wp	575Wp
	Module Efficiency STC (%)	24.24%	24.52%	24.80%	25.07%	25.35%

* STC: Irradiance 1000W/m²

Cell Temperature 25°C

AM=1.5

NOCT: Irradiance 800W/m²

Ambient Temperature 20°C

AM=1.5

Wind Speed 1m/s

* Power measurement tolerance: ± 3%

The company reserves the final right for explanation on any of the information presented hereby. Tiger JKM440-460M-7RL3-BDVP-D3-EN